



## Faculty Profile

1. Name: Dr. SARLA KUMARI

2. Designation: Assistant Professor

3. Department: Chemistry

4. Educational Qualification:

PHOTOG



Level	Name of University/Board	Year	Title/ Remark/ Medal
P.G.	M.D.S. University, Ajmer, Raj.	2002	1 <sup>st</sup> division
NET	CSIR-UGC, New Delhi	2002	Passed
Ph.D.	M.D.S. University, Ajmer, Raj.	2011	Quantitative estimation and characterization of heavy metal binding proteins in yeast.

5. Experience: Teaching / Research

UG	PG	Research
12 years	12 years	NIL

6. Membership (Academic Bodies/ Research societies):

- Member of Committee of courses in Textile Chemistry, Maharshi Dayanand Saraswati University, Ajmer.

7. M.O.O.C (Developed by Faculty): NIL

8. Awards Received: NIL

9. Academic Courses Attended:

Course	Place	Sponsoring Agency	Duration
Orientation Course	J.N.V. University, Jodhpur, Raj.	UGC Academic Staff College	15-11-2010 to 11-12-2010
Refresher	M.D.S. University, Ajmer, Raj.	Academic Staff College	28-09-2012 to 18-10-2012
	M.D.S. University, Ajmer, Raj.	UGC Academic Staff College	29-09-2015 to 19-10-2015
Short term course	M.D.S. University, Ajmer, Raj.	Academic Staff College	03-02-2020 to 08-02-2020
	Govt. Women Engineering College, Ajmer.	TEQIP-II	26-09-2016 to 01-10-2016

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<b>Others (Workshop/ Summer School/ Camp etc.)</b>	National workshop on Consumer Protection and Empowerment in India at S.R.K.Patni Govt. College, Kishangarh, Ajmer.	Department of consumer affairs Ministry of consumer affairs, Food and Public Distribution, Govt. Of India, New Delhi	25-10-2013 to 26-10-2013
	Novel Approaches and Techniques in Research Methodology.	TEQIP-II	29-11-2016 to 30-11-2016
	Kanoria P.G. Mahila Mahavidyalaya, Jaipur	Department of Science and Technology	22-12-2017 to 23-12-2017
	National workshop on Instrumentation Techniques for research in Chemical Sciences at Sophia Girl's College Ajmer.	Association of Chemistry teachers.	06-09-2019 to 07-09-2019
	Master Tara Singh Memorial College for Women Ludhiana	Association for Research and Advanced Studies	03-06-2020 to 09-06-2020 (one week)
<b>Online F.D.P (Faculty Development Programme)</b>	LBS PG College, Jaipur & Inspira Research Association	Inspira Research Association	29-05-2020 to 31-05-2020
	Madha Engineering College, Kundrathur, Tamil Nadu	Gene Genera Association	08-05-2020 to 09-05-2020
	Vemana Institute of Technology, Koramangala, Bengaluru	Royal Society of Chemistry	22-06-2020 to 26-06-2020 (one week)
	Teaching Learning Centre Ramanujan College, University of Delhi	Ministry of Human Resource Development Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching.	23-06-2020 to 29-06-2020 (one week)
	Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi in collaboration with My e-Class Academy	Ministry of Human Resource Development Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching.	30-06-2020 to 04-07-2020 (one week)

## 10. Seminar/ Conference :

Name of Symposium/ Seminar/Conference	Internat./ National/ Regional	Organized by	Title of Paper presented	Year
Human Resource Development in South	International	Govt. College Ajmer Rajasthan	-----	19-21 Dec 2013

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Asia: Issues Achievements & Challenges.				
Advanced Material Science and Engineering. BICON 2014.	International	Biyani Group of Colleges, Jaipur Rajasthan	Accumulation of heavy metal ion by yeast.	13 Oct 2014
Impact of Make in India Efforts. BICON 2015	International	Biyani Group of Colleges, Jaipur Rajasthan	Bioaccumulation of heavy metal ion by <i>S.cerevisiae</i>	22 Sep 2015
Impact of Make in India Efforts. BICON 2016	International	Biyani Group of Colleges, Jaipur Rajasthan	Biosorption an ecofriendly alternative for heavy metal ions removal.	21 Oct 2016
Advances in applied sciences, Engineering and Technology.	International	School of Basic and Applied Sciences and School of Engineering and Technology, K.R. Mangalam University, Gurugram.	Synthesis and application of silicotungstic acid modified montmorillonite clay as a green catalyst for organic.	17-18 Aug 2017
Advances in scientific meditation and stress coping. BICON 2017	International	Biyani Group of Colleges, Jaipur Rajasthan	Stress and drug abuse.	13 Oct 2017
The 13 <sup>th</sup> Anniversary India Japan International conference on Sustainable development. BICON 2018	International	Biyani Group of Colleges, Jaipur Rajasthan	Importance and application of clay based solid acid catalysts in organic synthesis.	27 Nov 2018
Gandhi: the etrnal Truth Relevance for future generations. ICOG-2019	International	S.P.C. Govt. College Ajmer	-----	18-19 Sep 2019
The 14 <sup>th</sup> India Japan International conference on Sustainable development goals of united nations to transform our world. BICON 2019	International	Biyani Group of Colleges, Jaipur Rajasthan	Biosorption: a cost effective technique for heavy metal removal using microorganism	23 Sep 2019
Emerging Challenges, Their solutions and Recent Advances in Science	International	Govt. Science College, Sikar, Rajasthan.	Kinetic study of heavy metal Accumulation by <i>Saccharomyces cerevisiae</i> .	4-5 Oct 2019
Strategies & Challenges in Higher Education during COVID-19 Lockdown Period in India with reference to the World	International Online	Government Vidarbha Institute of Science & Humanities, Amravati, India	-----	15-17 May 2020
Recent Progress in Therapeutic Interventions for COVID-19	International WEBINAR	School of basic and Applied Sciences Maharaja Agrasen University, Baddi, Solan, H.P. (India)	-----	06 June 2020



Corona Pandemic, Dislocation and Livelihood Challenges: Multilevel Perspectives on Concerns and Coping Strategies	International WEBINAR	Department of Geography Government Arts College, Sikar, Rajasthan	----	04 June 2020
The COVID-19 and the Environment : Lessons from the Pandemic	International WEBINAR	The Water Policy Center, India And Nepal Institute Of International Cooperation & Engagement (NIICE), Nepal	----	05 June 2020
Functional Materials	National	Lachoo Memorial College, Churu, Rajasthan	Heteropolyacid intercalated clay: A nobel acid catalyst	11-12 Feb 2011
Chemistry of Primates: Green Chemistry.	National	D.A.V. College, Ajmer	-----	29-30 Nov 2012
Innovative Teaching Methodology for 2D NMR Spectroscopy.	National	Department of Pure and Applied Chemistry, M.D.S. University, Ajmer.	-----	21 March 2013
Ecological perspective of Rain water Harvesting and Ground Water Recharge.	National	Department of Zoology, Govt. College Ajmer	Municipal waste water and its treatment.	3-4 Jan 2014
Technical Terminology in Science.	National	Commission for Scientific and Technical Terminology at Govt. College Ajmer	-----	12-13 Aug 2014
Adaptability of Eco-friendly Chemistry for Engineers.	National	Govt. Mahila Engineering College Ajmer	-----	18 Aug 2015
Urban Growth: Environmental Challenges and Responsibilities.	National	S.P.C. Govt. College Ajmer	-----	26-28 Oct 2015
Frontiers in Chemical Sciences.	National	PACIFIC ACADEMY OF HIGHER EDUCATION AND RESEARCH SOCIETY, Debari, Udaipur.	Microbial cells as biosorbents for heavy metals: Accumulation of Pb <sup>2+</sup> by <i>S.cerevisiae</i>	04 Oct 2016
Ground water quality, water conservation, Management and Technology.	National	Govt. R.R. (PG) Autonomous College, Alwar.	Remediation of metal contaminated water bodies using Microorganisms	20-21 Jan 2017
Biodiversity, Human rights and sustainable development.	National	S.R.K. Patni Govt. P.G. College, Kishangarh, Ajmer.	Role of biotechnology in the conservation of biodiversity	15 Sep 2017
Recent trends & advances in chemical science and their impact on environment	National	Amity School of Applied Sciences, Amity University Rajasthan, Jaipur.	Lignocellulosic biomass as a source of bio-energy.	13 Apr 2018
Advances in science and technology an	National	Sophia Girls College, Ajmer.	Synthesis and Characterization	15-16 Oct 2018



interdisciplinary approach.			and Biological activity of Schiff based metal complexes of semicarbazide.	
Recent advances at interfaces of Physical and life sciences.	National	Department of Chemistry, University of Rajasthan, Jaipur.	<i>S.cerevisiae</i> act as Bioaccumulation	6-7 July 2018
Environment, Human health and Sustainable Development Goals	National Online Conference	Environment and Social Development Association(ESDA), Delhi	Kinetic Studies of Zinc accumulation by Yeast	5-6 June 2020
Role of Journalism in making India during Crisis of COVID-19	National WEBINAR	Captan Durga Prasad Choudhary, Dept. of Journalism, Mass Communication and Multi-Media Technique, MDS University Ajmer	-----	26-28 May 2020
E-Content development Methodology: Four Quadrant Model, OER,s and Copyright Issues	National WEBINAR	Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi	-----	15 May 2020
Women in Higher Education: Issues and Challenges during Corona Pandemic	National WEBINAR	Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi	-----	27 May 2020
Nanobio Incubation Facilities and DST funding Opportunities	National WEBINAR	Rathnavel Subramaniam College of Arts and Science.	-----	16 May 2020
Environment Pollution and COVID-19	National WEBINAR	Raj Rishi Govt. (Autonomous) College, Alwar	-----	05 June 2020
Role of Science, Technology and Innovation in the Current Scenario	National WEBINAR	University School of Basic & Applied Sciences Guru Gobind Singh Indraprastha University, New Delhi.	-----	26-29 May 2020
National Seminar on COVID-19, the Issues and Challenges before Higher Education	National WEBINAR	MDS University, Ajmer	-----	16-22 May 2020
Achieving excellence in Higher Education in India in the 21 <sup>st</sup> Century: Challenges and Opportunities	National WEBINAR	School of Business Studies & IQAC, Sharda University.	-----	03 June 2020
Bioinformatics in health and life sciences	National WEBINAR	Pt. N.R.S. Govt. College, Rohtak, Haryana.	-----	23 may 2020
Fun of Playing around NMR Spectroscopy	National WEBINAR	Amity International Society for Natural Products,	-----	13 June 2020



		Health & Allied Sciences Domain, Amity University Uttar Pradesh, Noida.		
Teaching during and Post Corona Times	National WEBINAR	Guru Angad Dev Teaching Learning Centre, SGTB Khalsa College, University of Delhi	-----	12 June 2020
Role of Education in Women Empowerment and Gender Sensitization	National WEBINAR	Govt. Women Engineering College Ajmer.	-----	10 July 2020

### 11. Organizing Sec./Convener of conference/seminar/webinar :

Conference/Seminar Title	Year
NIL	NIL

### 12. Resource Person:

In training Programme	NIL
In conferences/Seminars (Chair/Co-Chair/of Session)	NIL

### 13. Research Publications

Title of Paper	Name of Journal with Impact factor & ISSN No.	Volume and No. with Year	Citation Index	Impact Factor	Google Index
Bio-accumulation of Zn by <i>Saccharomyces cerevisiae</i> .	Research Journal of Biotechnology ISSN: 0973-6263	3(1), 50-52, 2008.		0.05	
Synthesis and structural studies of schiff based metal complexes of semicarbazones and thiosemicarbazones.	International Journal of Chemical and Natural Science ISSN: 2347-6672	3(5), 312-319, 2015.		1.69	
Bio-accumulation of Cr <sup>3+</sup> ions by <i>Saccharomyces cerevisiae</i> .	Asian Resonance an International Journal P:ISSN:0976-8602 E:ISSN:2349-9443	4(2), 67-70, 2015.		3.676	
Bio-accumulation of Cu <sup>2+</sup> ions by <i>Saccharomyces cerevisiae</i> .	Asian Resonance an International Journal, P:ISSN:0976-8602 E:ISSN:2349-9443	4(4), 27-31, 2015.		3.676	
Some Physico-Chemical Parameters of Ground Water	Periodic Research an International Journal	3(4), 40-44, 2015.		3.474	

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Samples of Jaitaran Area, Pali District, Rajasthan.	P:ISSN:2231-0045 E:ISSN:2349-9443				
Microwave Assisted Synthesis of Coumarins by Pechmann reaction using HPA Modified Clays as catalysts.	International Journal of Scientific Research ISSN :2277-8179	4(10), 16-18, 2015.		0.25	
Synthesis, Characterization and Antibacterial activity of Schiff bases derived from Thiosemicarbazide 2-acetyl, thiophene and thiophene-2-aldehyde.	International Research Journal of Pharmacy	9(7), 153-158, 2018.	3	0.44	
Synthesis and application of Schiff based metal complexes of thiosemicarbazide in electrochemical sensors	International Conference Series on Multidisciplinary Sciences	DOI:10.3390/mol2net-03-xxxx 2018			
Synthesis, Characterization and Antibacterial activity of semicarbazide based Schiff bases and their Pb(II), Zr(IV) and U(VI) complexes.	Communicated  Advanced Journal of Chemistry Section B	Manuscript ID: AJCB-2005-1037 (R1) 23-05-2020			

#### 14. Research Projects:

Title of the Project	Year	Name of funding agency	Fund available/ utilized	Present status
Studies on kinetic parameters of Cu accumulation by yeast <i>Saccharomyces cerevisiae</i> .	2015	UGC, Central regional office, Bhopal	1,44,800.00	Completed

#### 15. Research Supervision:

- Basic Field of specialization: Biochemistry

##### ❖ Ph.D.

Name of Student	Title of thesis	Present status	Date and Year of Award, if so
NIL	NIL	NIL	NIL

##### ❖ M. Phil.

Name of Student	Title of Dissertation	Present status	Date and Year of Award, if so
NIL	NIL	NIL	NIL

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## 16. Monograph/ Book / Chapter (in Edited Book)/Chapters in study material of Open universities

- **Book (Single Author)**

Title of Book	ISBN/ ISSN No.	Publisher with Place	Year of Publication
NIL	NIL	NIL	NIL

- **Chapter(s) in Book (Edited / multi-author)**

Title of Chapter	Authors / Editors	Name of the Book with ISBN/ ISSN No.	Publisher with Place	Year of Publication
Municipal waste water and its treatment	Dr. Sabia Khan	81-85468-80-x	Navkar Publication Ajmer	2017

13 Sports Activities: NIL

14 Extra Curricular Activities:

- Participation in online Quiz organised by National Service Scheme Unit Bangabasi Morning College, Kolkata held on 5<sup>th</sup> to 15<sup>th</sup> June.
- Awareness Quiz on Prevention and Safeguard from COVID-19- A Pandemic organised by Amity School of Applied Sciences, Amity University Haryana on 5/30/2020 and scored 96%.
- NSS COVID-19 Quiz Competition, S.P.C. Government college Ajmer.
- COVID-19 AWARENESS AND PREVENTION QUIZ 5/22/2020 Delonix Society's Baramati College of Pharmacy Barhanpur, Baramati, Pune ,Maharashtra.
- Environment Awareness campaign – Advanced Level organized by Seth Kesarimal Porwal college of Arts and Science and Commerce, Kamptee, Maharashtra, 5<sup>th</sup> to 15<sup>th</sup> June.
- Online quiz on Covid -19 : Awareness and Management BADDI UNIVERSITY OF EMERGING SCIENCES AND TECHNOLOGY, BADDI, HIMACHAL PRADESH.
- COVID-19 SURVEY and AWARENESS Quiz, Govt. College of Pharmacy Karad, Saidapur Satara, 5<sup>th</sup> May 2020.

15. Any Other Relevant Information/Contributions: NIL

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